

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: March 1, 2001, 15:49:22 ; Search time 140.11 Seconds

(without alignments)
5,767 Million cell updates/sec

Title: US-09-331-631a-1_COPY_29_73

Perfect score: 252

Sequence: 1 SEFDROVEECKRCQMOLET.....RCVSOCDKRFEEDIMSKYD 45

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: Issued_Patents_AA:*

2: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*

3: /cgn2_6/ptodata/2/1aa/6.COMB.pep:*

4: /cgn2_6/ptodata/2/1aa/PCMS.COMB.pep:*

5: /cgn2_6/ptodata/2/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	76.5	30.4	587	US-07-955-905A-23	Sequence 23, Appl
2	70.5	28.0	566	US-07-955-905A-2	Sequence 2, Appl
3	70.5	28.0	566	US-07-955-905A-22	Sequence 12, Appl
4	67	26.6	218	US-08-985-526-1	Sequence 1, Appl
5	67	26.6	239	PCT-US93-01652-1	Sequence 3, Appl
6	67	26.6	441	US-08-985-526-3	Sequence 20, Appl
7	67	26.6	1170	US-08-313-288B-20	Sequence 12, Appl
8	59.5	23.6	2710	US-08-568-459A-12	Sequence 14, Appl
9	59.5	23.6	2710	US-08-487-826B-12	Sequence 14, Appl
10	59.5	23.6	3060	US-08-487-826B-14	Sequence 14, Appl
11	55	21.8	816	US-08-190-802A-54	Sequence 54, Appl
12	53.5	21.2	450	US-08-712-939B-1	Sequence 19, Appl
13	52.5	20.8	1172	US-08-313-288B-19	Sequence 19, Appl
14	52.5	20.6	34	US-08-822-561-1	Sequence 1, Appl
15	51.5	20.4	126	US-08-044-547-3	Sequence 3, Appl
16	51.5	20.4	147	US-08-044-547-1	Sequence 3, Appl
17	50.5	20.0	94	US-09-147-550-31	Sequence 31, Appl
18	50.5	20.0	94	US-09-147-550-36	Sequence 36, Appl
19	49.5	19.6	79	US-08-465-380-8	Sequence 8, Appl
20	49.5	19.6	79	US-08-480-478-37	Sequence 37, Appl
21	49.5	19.6	79	US-08-486-397-8	Sequence 8, Appl
22	49.5	19.6	79	US-08-486-399-8	Sequence 8, Appl
23	49.5	19.6	79	US-08-461-965-8	Sequence 8, Appl
24	49.5	19.6	79	US-08-326-110A-37	Sequence 37, Appl
25	49.5	19.6	79	US-08-634-641-8	Sequence 8, Appl
26	49.5	19.6	79	US-09-249-471-8	Sequence 8, Appl
27	49.5	19.6	79	US-09-249-472-8	Sequence 8, Appl
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29	49.5	19.6	79	US-08-809-455-8	Sequence 8, Appl
30	49.5	19.6	79	US-09-249-461-8	Sequence 8, Appl
31	49.5	19.6	79	US-09-249-448-8	Sequence 8, Appl
32	49.5	19.6	98	US-08-465-380-21	Sequence 21, Appl
33	49.5	19.6	98	US-08-480-478-49	Sequence 49, Appl
34	49.5	19.6	98	US-08-486-397-21	Sequence 21, Appl
35	49.5	19.6	98	US-08-486-399-21	Sequence 21, Appl
36	49.5	19.6	98	US-08-461-965-21	Sequence 21, Appl
37	49.5	19.6	98	US-08-326-110A-49	Sequence 49, Appl
38	49.5	19.6	98	US-08-634-641-21	Sequence 21, Appl
39	49.5	19.6	98	US-09-249-471-21	Sequence 21, Appl
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43	49.5	19.6	98	US-09-249-461-21	Sequence 21, Appl
44	49.5	19.6	98	US-09-249-448-21	Sequence 21, Appl
45	49.5	19.6	562	US-08-973-675-2	Sequence 2, Appl

ALIGNMENTS

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RESULT 1
US-07-955-905A-23
: Sequence 23, Application US/07955905A
: Patent No. 5770433
: GENERAL INFORMATION:
: APPLICANT:
: TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
: NUMBER OF SEQUENCES: 28
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/955,905A
: FILING DATE: 21-JAN-1993
: CLASSIFICATION: 435
: INFORMATION FOR SEQ ID NO: 23:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 587 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: Protein
: ORIGINAL SOURCE:
: ORGANISM: Gossypium hirsutum
: FEATURE:
: NAME/KEY: Protein
: LOCATION: 1..587
: OTHER INFORMATION: /note= "Vicilin from G. hirsutum"
US-07-955-905A-23

Query Match 30.4% Score 76.5; DB 1: Length 587;
Best Local Similarity 41.7%; Pred. No. 0.064;
Matches 15; Conservative 8; Mismatches 12; Indels 1; Gaps 1;

RESULT 2
US-07-955-905A-2
: Sequence No. Application US/07955905A
: Patent No. 5770433
: GENERAL INFORMATION:
: APPLICANT:
: TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
: NUMBER OF SEQUENCES: 28
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: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/955,905A
: FILING DATE: 21-JAN-1993
: CLASSIFICATION: 435
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 566 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
US-07-955-905A-2

Query Match      28.0%; Score 70.5; DB 1; Length 566;
Best Local Similarity 32.4%; Pred. No. 0.33;
Matches 11; Conservative 11; Mismatches 11; Indels 1; Gaps 1

Oy 5 ROEYECKRQCMLQLET-SGQMRRCVSGQCDKREE 37
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Db 39 ROYECCQRCRCESEATEEREDQECQRCREYKE 72

RESULT 3
US-07-955-905A-22
: Sequence 22, Application US/07955905A
: Patent No. 5770433
: GENERAL INFORMATION:
: APPLICANT:
: TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
: TITLE OF INVENTION: PRECURSOR
: NUMBER OF SEQUENCES: 28
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/955,905A
: FILING DATE: 21-JAN-1993
: CLASSIFICATION: 435
: INFORMATION FOR SEQ ID NO: 22:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 566 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: ORIGINAL SOURCE:
: ORGANISM: Theobroma cacao
: FEATURE:
: NAME/KEY: Protein
: LOCATION: 1..566
: OTHER INFORMATION: /note= "67 kd Precursor Protein"
US-07-955-905A-22

Query Match      28.0%; Score 70.5; DB 1; Length 566;
Best Local Similarity 32.4%; Pred. No. 0.33;
Matches 11; Conservative 11; Mismatches 11; Indels 1; Gaps 1

Oy 5 ROEYECKRQCMLQLET-SGQMRRCVSGQCDKREE 37
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Db 39 ROYECCQRCRCESEATEEREDQECQRCREYKE 72

RESULT 4
US-08-985-526-1
: Sequence 1, Application US/08985526
: Patent No. 6080728

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: GENERAL INFORMATION:
: APPLICANT: Mixson, James A
: TITLE OF INVENTION: CARRIER:DNA COMPLEXES CONTAINING DNA
: TITLE OF INVENTION: ENCODING ANTI-ANGIOGENIC PEPTIDES AND THEIR USE IN GENE
: TITLE OF INVENTION: THERAPY
: NUMBER OF SEQUENCES: 43
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Connolly, Bove, Lodge, & Hultz
: STREET: 1220 Market Street, P.O. Box 2207
: CITY: Wilmington
: STATE: Delaware
: COUNTRY: U.S.A.
: ZIP: 19899
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/985,526
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/608,845
: FILING DATE: 16-JUL-1996
: ATTORNEY/AGENT INFORMATION:
: NAME: McMorow Jr., Robert G
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (302) 658-9141
: TELEFAX: (302) 658-5613
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 218 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
:
: US-08-985-526-1
:
: Query Match 26.6%; Score 67; DB 3; Length 218;
: Best Local Similarity 39.5%; Pred. No. 0.33;
: Matches 15; Conservative 6; Mismatches 11; Indels 6; Gaps 2;
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: Oy 13 RQCMQLE-----TSGOMRRK-VSQCCKRREEDIDMSKY 44
: | | | | | : | | | | | : | | | | | : | | | | | :
: | | | | | : | | | | | : | | | | | : | | | | | :
: Db 104 RSCDSLNNRCGSSVOTRTCHIQECDKRPKQDGMSHW 141
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: RESULT 5
: PCT-US93-01652-1
: Sequence 1, Application PC/TUS9301652
: GENERAL INFORMATION:
: APPLICANT: Bouck, Noel P.
: APPLICANT: Polverini, Peter J.
: APPLICANT: Good, Deborah J.
: APPLICANT: Frazier, William A.
: TITLE OF INVENTION: Method and Composition for
: TITLE OF INVENTION: Inhibiting Angiogenesis
: NUMBER OF SEQUENCES: 12
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Tilton, Fallon, Lungmus & Chestnut
: STREET: 100 South Wacker Drive, Suite 960
: CITY: Chicago
: STATE: Illinois
: COUNTRY: USA
: ZIP: 60606-4002
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: PCT/US93/01652
: FILING DATE: 19930222

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CLASSIFICATION:
PRIOR APPLICATION DATA:
  APPLICATION NUMBER: US/07/841,656
  FILING DATE: 24-FEB-1992
  PRIOR APPLICATION DATA:
    APPLICATION NUMBER: US/07/464,369
    FILING DATE: 12-JAN-1990
  ATTORNEY/AGENT INFORMATION:
    NAME: Pentress, Susan B.
    REGISTRATION NUMBER: 31,327
    REFERENCE/DOCKET NUMBER: 92005-PCT
  TELECOMMUNICATION INFORMATION:
    TELEPHONE: (312)-456-8000
    TELEFAX: (312)-456-7776
  INFORMATION FOR SEQ ID NO: 1:
    SEQUENCE CHARACTERISTICS:
      LENGTH: 239 amino acids
      TYPE: AMINO ACID
      STRANDEDNESS: unknown
      TOPOLOGY: unknown
  MOLECULE TYPE: peptide
  PCT-US93-01652-1
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Matches 15; Conservative 6; Mismatches 11; Indels 6; Gaps 2;
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OY 13 ROCMOLE-----TSGQMRRC-VSQCDKRFEEIDMSKY 44
Db 93 RSCDSLNNRCEGSSVQTRTCHIQCDKRFKQDGGMSHW 130
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RESULT 6
US-08-985-526-3
Sequence 3, Application US/08985526
Patent No. 6080728
GENERAL INFORMATION:
  APPLICANT: Mixson, James A
  TITLE OF INVENTION: CARRIER-DNA COMPLEXES CONTAINING DNA
  TITLE OF INVENTION: ENCODING ANTI-ANGIOGENIC PEPTIDES AND THEIR USE IN GENE
  TITLE OF INVENTION: THERAPY
  NUMBER OF SEQUENCES: 43
  CORRESPONDENCE ADDRESS:
    ADDRESSEE: Connolly, Bove, Lodge, & Hutz
    STREET: 1220 Market Street, P.O. Box 2207
    CITY: Wilmington
    STATE: Delaware
    COUNTRY: U.S.A.
    ZIP: 19899
  COMPUTER READABLE FORM:
    MEDIUM TYPE: Floppy disk
    OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: Patentin Release #1.0, Version #1.25
  CURRENT APPLICATION DATA:
    APPLICATION NUMBER: US/08/985,526
    FILING DATE:
  CLASSIFICATION:
    PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 08/608,845
      FILING DATE: 16-JUL-1996
      ATTORNEY/AGENT INFORMATION:
        NAME: McMorrow Jr., Robert G
        TELECOMMUNICATION INFORMATION:
          TELEPHONE: (302) 658-9141
          TELEFAX: (302) 658-5613
      INFORMATION FOR SEQ ID NO: 3:
        SEQUENCE CHARACTERISTICS:
          LENGTH: 441 amino acids
          TYPE: amino acid
          TOPOLOGY: linear
  US-08-985-526-3
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Query Match          26.6%; Score 67; DB 3; Length 441;
Best Local Similarity 39.5%; Pred. No. 0.68;
Matches 15; Conservative 6; Mismatches 11; Indels 6; Gaps 2;
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Db 104 RSCDSLNNRCEGSSVQTRTCHIQCDKRFKQDGGMSHW 141
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RESULT 7
US-08-313-288B-20
Sequence 20, Application US/08313288B
Patent No. 5750502
GENERAL INFORMATION:
  APPLICANT: Jessell, Thomas M. and Avitu Klar
  TITLE OF INVENTION: CLONING, EXPRESSION AND USES OF A
  TITLE OF INVENTION: NOVEL SECRETED PROTEIN, F-SPONDIN
  NUMBER OF SEQUENCES: 20
  CORRESPONDENCE ADDRESS:
    ADDRESSEE: Cooper & Dunham LLP
    STREET: 1185 Avenue of the Americas
    CITY: New York
    STATE: New York
    COUNTRY: USA
    ZIP: 10036
  COMPUTER READABLE FORM:
    MEDIUM TYPE: Floppy disk
    OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: Patentin Release #1.0, Version #1.30
  CURRENT APPLICATION DATA:
    APPLICATION NUMBER: US/08/313,288B
    FILING DATE: January 5, 1995
  CLASSIFICATION:
    ATTORNEY/AGENT INFORMATION:
      NAME: White, John P.
      REGISTRATION NUMBER: 28,678
      REFERENCE/DOCKET NUMBER: 40028-A-PCU-US
      TELECOMMUNICATION INFORMATION:
        TELEPHONE: (212) 278-0400
        TELEFAX: (212) 391-0526
  TELEFAX:
  INFORMATION FOR SEQ ID NO: 20:
    SEQUENCE CHARACTERISTICS:
      LENGTH: 1170 amino acids
      TYPE: amino acid
      STRANDEDNESS: single
      TOPOLOGY: linear
  MOLECULE TYPE: peptide
  US-08-313-288B-20
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Query Match          26.6%; Score 67; DB 1; Length 1170;
Best Local Similarity 39.5%; Pred. No. 1.8;
Matches 15; Conservative 6; Mismatches 11; Indels 6; Gaps 2;
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OY 13 ROCMOLE-----TSGQMRRC-VSQCDKRFEEIDMSKY 44
Db 404 RSCDSLNNRCEGSSVQTRTCHIQCDKRFKQDGGMSHW 441
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RESULT 8
US-08-568-459A-12
Sequence 12, Application US/08568459A
Patent No. 5849306
GENERAL INFORMATION:
  APPLICANT: Sim, Kim L.
  APPLICANT: Chitnis, Chetan
  APPLICANT: Miller, Louis H.
  APPLICANT: Peterson, David S.
  APPLICANT: Su, Xin-zhaun
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